



# ATP Offline Updates



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## 1. Revision

Author	Revision	Details
Istode Stefan	1.0.0	First version

## 2. Purpose

This document describes how to use the ATP Offline Update module.

## 3. Description

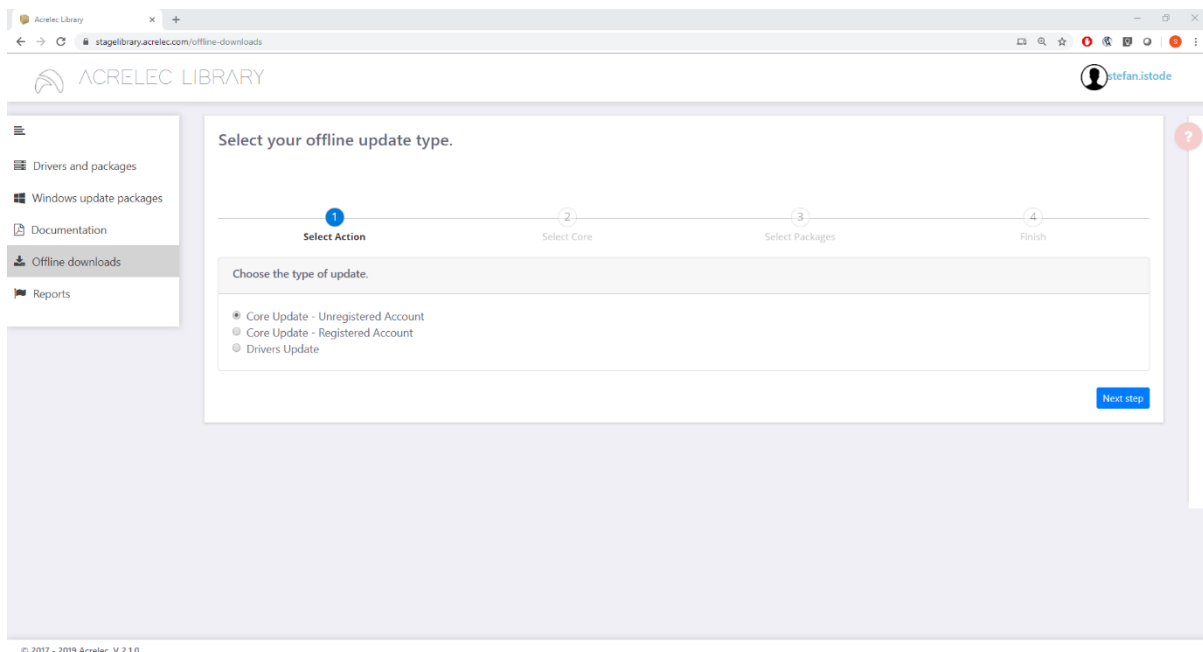
The Offline Updates module allows users to update the ATP Platform on a device directly on site without the need of an Internet connection.

To get the update installation package the user needs to access the bellow web page and based on the type of offline update follow a few steps.

<https://library.acrelec.com/offline-downloads>

There are three offline package installers that can be downloaded:

- Core Update - Unregistered Accounts;
- Core Upgrade - Registered Accounts;
- Drivers Update.





## 4. Update Package generation

### 4.1 Core Update - Unregistered Accounts

This option applies to those devices that have an ATP Core installed on that is **not registered**. If the device is registered then the user must execute and “Erase Account” operation from the local ATP admin before executing the package installer otherwise installation will fail. Lower versions than the device Core version can be installed using this type of package installer.

#### 4.1.1 Use case

A device comes with version 1.7.1 but “client X” validated version 3.3.3 for its store devices, so before configuring an account on the device an offline update with the 3.3.3 version will be applied.

#### 4.1.2 Steps description

First step in getting the “Core Update - Unregistered Accounts” package is the selection of the “ATP Core” version that the user wants to install on the device from the available list of Core versions.

Select your offline update type.

1 Select Action    2 Select Core    3 Select Packages    4 Finish

Select the core you want to update to.

Core version: 6.0.0

Previous step    Next step

The second and last step is to start the package generation by pressing “Generate”.

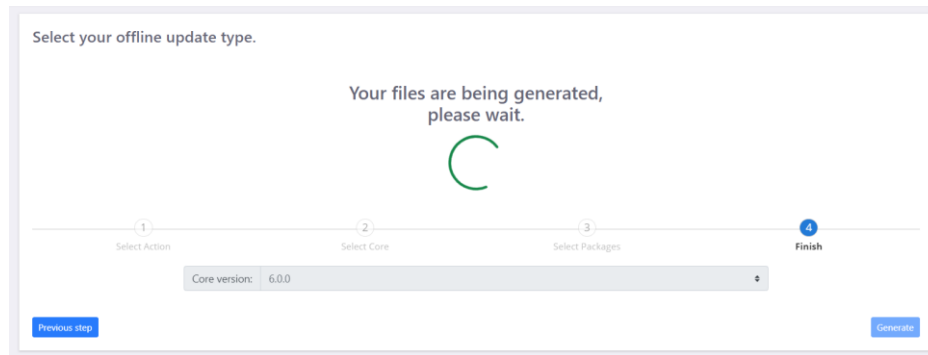
Select your offline update type.

1 Select Action    2 Select Core    3 Select Packages    4 Finish

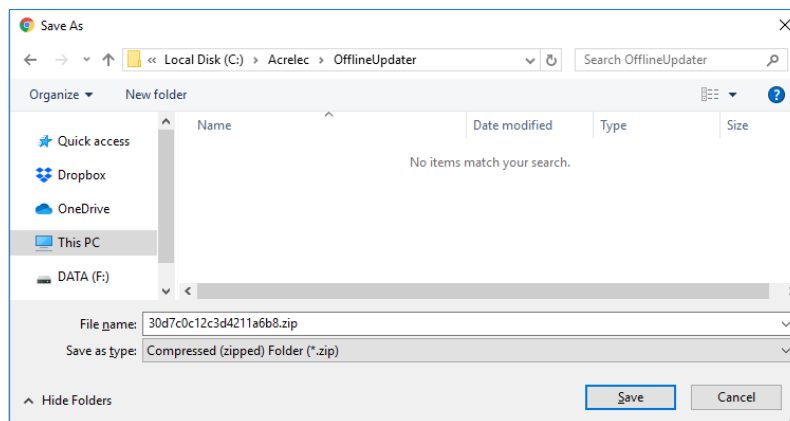
Select the core you want to update to.

Core version: 6.0.0

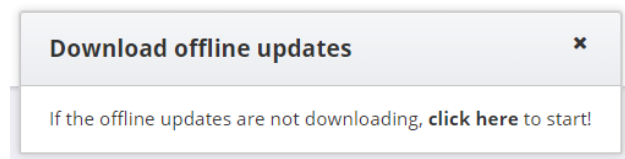
Previous step    Generate



The generation process can take a few minutes, but after it finalizes it will prompt a download popup and the user will be able to download the generated installation package.



If the download popup doesn't appear the user can force the download by clicking the link that appears in the middle of the web page





## 4.2 Core Upgrade - Registered Accounts

This option applies to those devices that have an ATP Core installed and registered and need an upgrade.

In order to make the upgrade package installer the user needs to know the exact Core version of the device where this package will be installed.

There is a special case when the device has a version lower than 4.x.x and the upgrade version will be greater or equal to 4.x.x. In this case the user must know the exact peripherals that are configured on the device. This is needed because the versions 1.x.x, 2.x.x and 3.x.x had the peripherals drivers embedded in the Core but all other versions (4.x.x, 5.x.x, etc.) peripherals drivers must be provided separately.

### 4.2.1 Use case

A device with Core version 3.3.7 needs to be upgraded to the version Core version 5.1.4 because it needs access to a new peripheral that is only available from this version on.

### 4.2.2 Steps description

First step in getting the “Core Upgrade - Registered Accounts” package is selecting current device Core version and the upgrade Core version from the available lists then press “Next Step”. The device Core version must be lower than the upgrade Core version.

Select your offline update type.

1 Select Action    2 Select Core    3 Select Packages    4 Finish

Choose the core version you want to update from and the one you want to update to.

From core version: 3.3.3    To core version: 5.1.4

Previous step    Next step

Depending on the selected versions the second step might have the dynamic and external packages automatically added with no remove option. These are added only when the “From core version” is lower than 4.x.x and the “To core version” is greater or equal to the 4.x.x.



“From core version” is lower than 4.x.x and the “To core version” is greater or equal to the 4.x.x. In this case the user must also add at least all the peripherals packages that correspond to the configured peripherals of the device.

Select your offline update type.

1 Select Action      2 Select Core      3 Select Packages      4 Finish

Adobe AIR 18 (v1.0.0.0) (Min api - 3)	framework.external.Sf7aaf	
Adobe AIR 20 (v1.0.0.0) (Min api - 3)	framework.external.dc2dd7	
Adobe AIR 24 (v1.0.0.0) (Min api - 3)	framework.external.2b7b2e	
Adobe AIR 26 (v1.0.0.0) (Min api - 3)	framework.external.7e57e6	
Adobe AIR 32 (v1.0.0.0) (Min api - 3)	framework.external.F545f5	
BrowserWPF 1 (v4.6.0.0) (Min api - 4)	framework.dynamic.8a91ab	BrowserWPF 1 - 4.6.0.0

Previous step      Next step

Choose the packages that you want to install.

Select All      Deselect All

Search by package identifier, signature, name, description or class

ACR122U (v1.0.1.6) (Min api - 3)	peripheral.nfcreader.047	Add
BTP Ethernet (v1.0.0.8) (Min api - 3)	peripheral.printer.055	Add
BTP-2002NP (v1.0.1.12) (Min api - 3)	peripheral.printer.054	Add
BTP-R180 (v1.0.3.17) (Min api - 3)	peripheral.printer.056	Add
BTP-R180II (v1.0.2.14) (Min api - 3)	peripheral.printer.057	Add

“From core version” is greater or equal to 4.x.x and the “To core version” is greater than 4.x.x.

Select your offline update type.

1 Select Action      2 Select Core      3 Select Packages      4 Finish

Previous step      Next step

Choose the packages that you want to install.

Select All      Deselect All

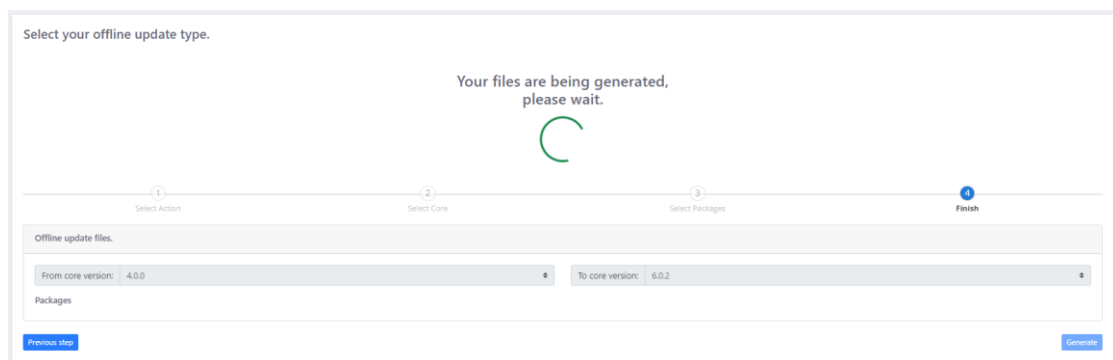
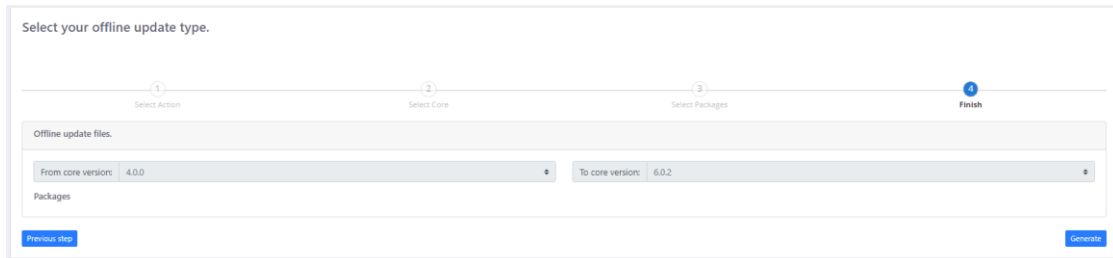
Search by package identifier, signature, name, description or class

ACR122U (v1.0.1.6) (Min api - 3)	peripheral.nfcreader.047	Add
Adobe AIR 18 (v1.0.0.0) (Min api - 3)	framework.external.Sf7aaf	Add
Adobe AIR 20 (v1.0.0.0) (Min api - 3)	framework.external.dc2dd7	Add
Adobe AIR 24 (v1.0.0.0) (Min api - 3)	framework.external.2b7b2e	Add
Adobe AIR 26 (v1.0.0.0) (Min api - 3)	framework.external.7e57e6	Add
Adobe AIR 32 (v1.0.0.0) (Min api - 3)	framework.external.F545f5	Add
BTP Ethernet (v1.0.0.8) (Min api - 3)	peripheral.printer.055	Add
BTP-2002NP (v1.0.1.12) (Min api - 3)	peripheral.printer.054	Add
BTP-R180 (v1.0.3.17) (Min api - 3)	peripheral.printer.056	Add
BTP-R180II (v1.0.2.14) (Min api - 3)	peripheral.printer.057	Add

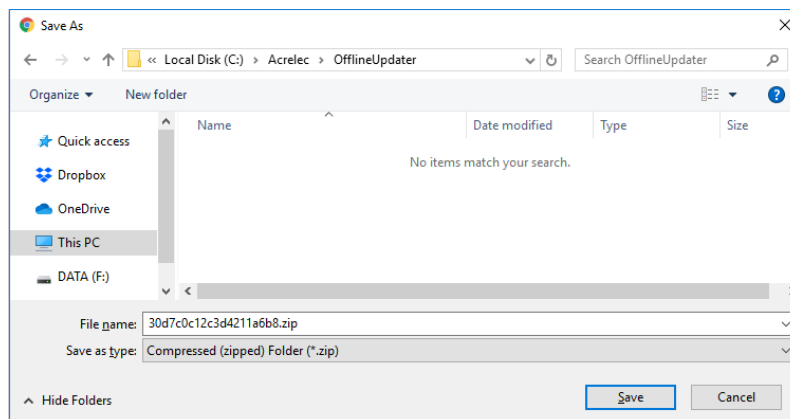
In both cases the user has the possibility to add additional packages that he wants deployed on the device for future usage.



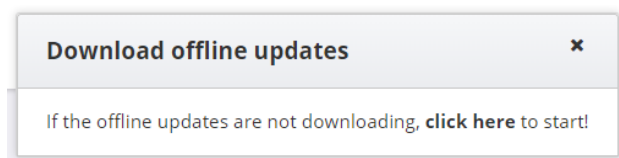
After the package selection is executed the user will press next and will get to the final step which is the package generation.



The generation process can take a few minutes, but after it finalizes it will prompt a download popup and the user will be able to download the generated installation package.



If the download popup doesn't appear the user can force the download by clicking the link that appears in the middle of the web page







## 4.3 Drivers Update

This option applies to those devices that have an ATP Core installed and registered with a version equal or greater than 4.x.x that need:

- a new peripheral/framework installed.
- an upgrade to a newer version of an already installed peripheral/framework.

\* Only Core version equal or greater than 4.x.x have package driver knowledge.

### 4.3.1 Use case

A device with Core version 5.1.4 needs the latest BTPR180 driver package which contains a fix.

### 4.3.2 Steps description

First step in getting the “Drivers Update” package is the driver selection.

\* The user must make sure that the drivers that he adds have an equal or lower API version to that of the device otherwise packages won't get installed.

Select your offline update type.

1 Select Action      2 Select Core      3 Select Packages      4 Finish

BTP-R180II (v1.0.2.14) (Min api - 3)      peripheral.printer.057      Delete

Previous step      Next step

Choose the packages that you want to install.

Select All      Deselect All

btpr

BTP-R180 (v1.0.3.17) (Min api - 3)	peripheral.printer.056	Add
BTP-R180II (v1.0.3.23) (Min api - 4)	peripheral.printer.057	Add
BTP-R580II (v1.0.1.12) (Min api - 3)	peripheral.printer.059	Add
BTP-R880NP (v1.0.1.12) (Min api - 3)	peripheral.printer.060	Add

After the package selection is executed the user will press next and will get to the final step which is the package generation.

Select your offline update type.

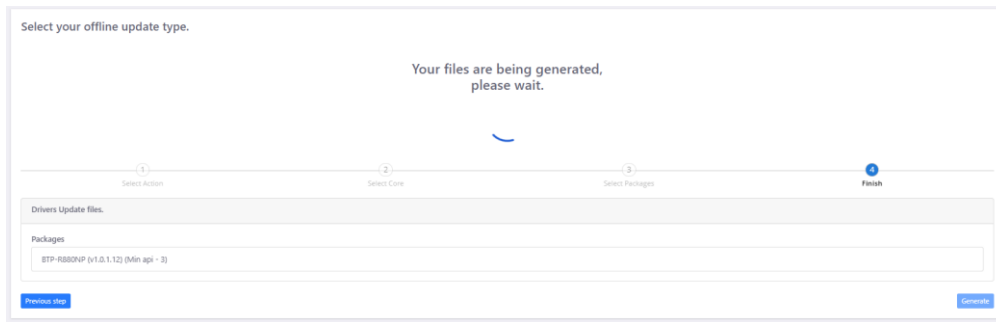
1 Select Action      2 Select Core      3 Select Packages      4 Finish

Drivers Update files.

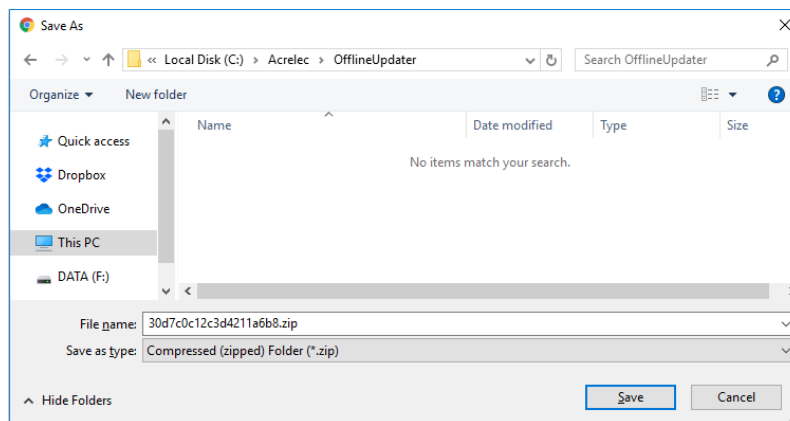
Packages

BTP-R180II (v1.0.2.14) (Min api - 3)

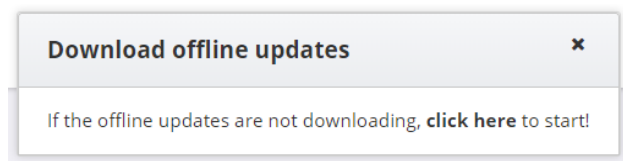
Previous step      Generate



The generation process can take a few minutes, but after it finalizes it will prompt a download popup and the user will be able to download the generated installation package.



If the download popup doesn't appear the user can force the download by clicking the link that appears in the middle of the web page





## 5. Install Package Installer

### 5.1 Package installation archive

After the package download the user must extract the content of the archive to an USB driver.

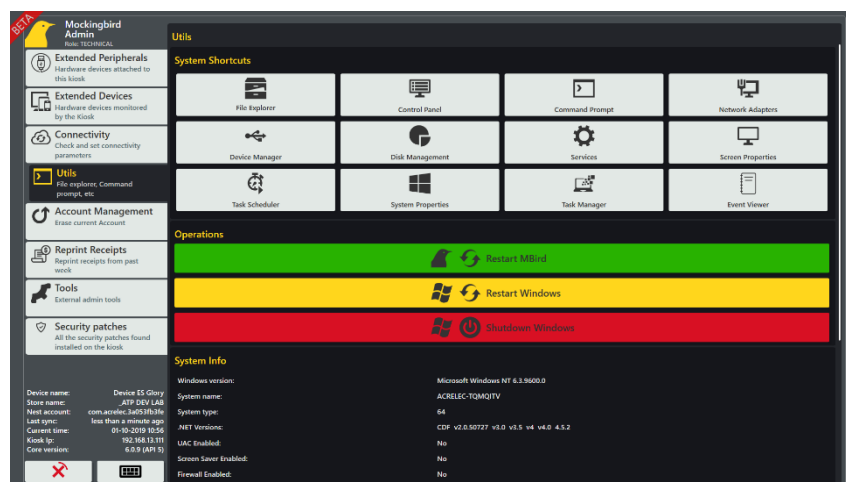
Extracted package content:

Acrelec.Library.Coder.dll	Application extension	3 KB	No	7 KB	59%
Acrelec.Library.Logger.dll	Application extension	6 KB	No	13 KB	60%
Acrelec.Library.LogReport.dll	Application extension	5 KB	No	10 KB	55%
CommonServiceLocator.dll	Application extension	5 KB	No	10 KB	57%
GalaSoft.MvvmLight.dll	Application extension	13 KB	No	30 KB	57%
GalaSoft.MvvmLight.Extras.dll	Application extension	9 KB	No	21 KB	58%
GalaSoft.MvvmLight.Platform.dll	Application extension	6 KB	No	14 KB	57%
Install.config	Embarcadero RAD Studio ...	1 KB	No	1 KB	0%
Install.exe	Application	21 KB	No	48 KB	57%
Install.mup	MUP File	95,993 KB	No	95,993 KB	0%
Ionic.Zip.dll	Application extension	273 KB	No	452 KB	40%
NDP472-KB4054530-x86-x64-ALIOS...	Application	81,895 KB	No	81,976 KB	1%
Newtonsoft.Json.dll	Application extension	240 KB	No	639 KB	63%
Restarter.exe	Application	3 KB	No	6 KB	58%
System.Windows.Interactivity.dll	Application extension	26 KB	No	55 KB	54%

### 5.2 Package Installation

The installation steps are:

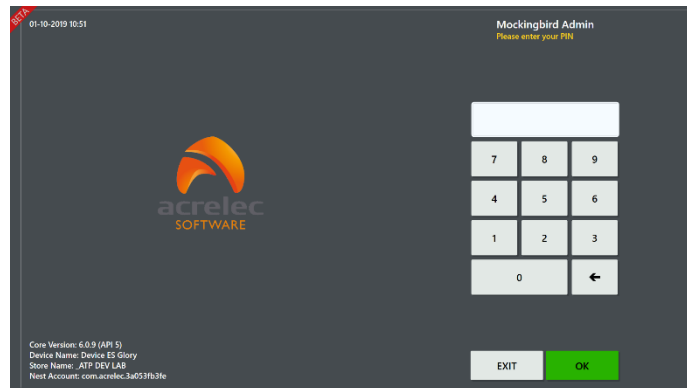
1. Device restart (the device to avoid windows system files move block).



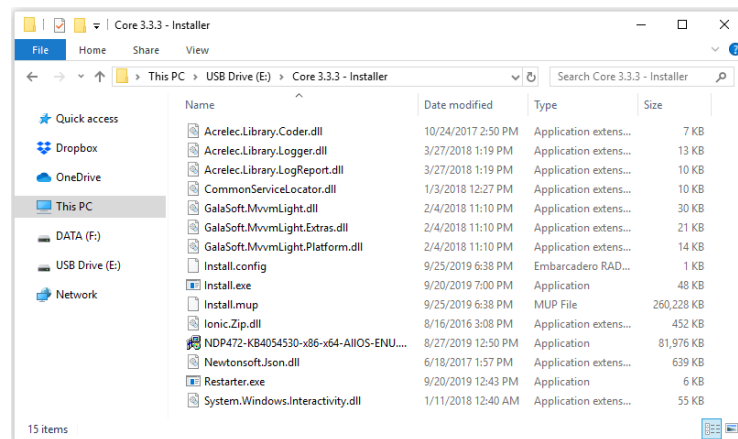
2. Connect USB drive



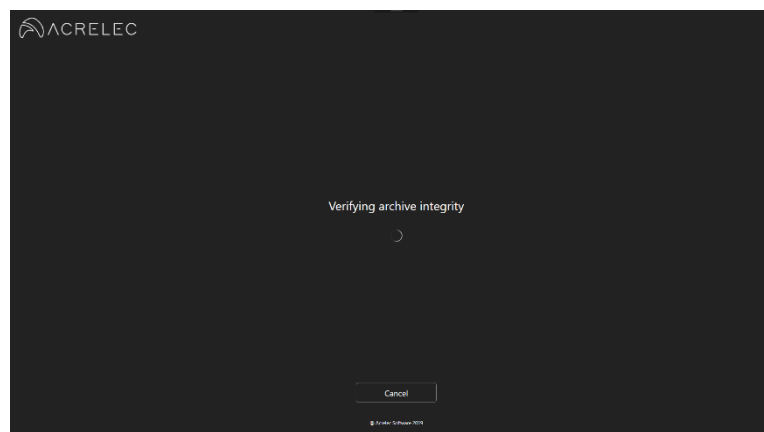
### 3. Login to the ATP Admin on the device



### 4. Open an explorer from the “Utils” tab and navigate to the folder on the USB where the package was extracted.



### 5. Run the Install.exe



The installer will also install .Net Framework 4.7.2 if it's not installed on the device. At some point in the installation the user will be asked to extract the drive from the USB drive. If the installer fails in executing the update after the USB is extracted the user can restart it from the following location: "C:\Acrelec\OfflineUpdater\Install.exe"